

Prof. Dipl.Ing. Dr.techn. Hans Schnitzer

COMPANY Professor for Fundamentals of Chemical Engineering and Energy Technologies

INSTITUTION

WORK EXPERIENCE

STENUM

1991
founder

JOANNEUM RESEARCH

1998 - 2010
chief

VICE HEAD OF THE INSTITUTE FOR PROCESS ENGINEERING, GRAZ UNIVERSITY OF TECHNOLOGY (LATER RENAMED PROCESS- AND PARTICLE ENGINEERING)

2003 - present

EDUCATION

PHD IN CHEMICAL ENGINEERING, GRAZ UNIVERSITY OF TECHNOLOGY

**PROFESSOR FOR CHEMICAL ENGINEERING FUNDAMENTALS AND ENERGY TECHNOLOGY,
GRAZ UNIVERSITY OF TECHNOLOGY**

PROJECTS

SOLAR FOODS: Projekt zur Einführung von Solarenergie in der österreichischen Lebensmittelindustrie. Klima+Energiefonds, 2010-2011

Low Carbon Technologies in the Food Processing Industries. UNIDO Projekt in Mazedonien und Uganda (2009-2011)

Implementation and maintenance of local and regional Cleaner Production programmes – co-ordinator of an international research project under the 4th framework of DG XII with partners from Ireland, Netherlands, Portugal, Italy and Denmark

Energy Transition 2012\2020\2050: Strategies for the Transition to Low Energy and Low Emissions Structures. Cooperation with WIFO für Klima+Energie Fonds, Wien, 2008 - 2010

Energieautarkes Österreich. Concept for a 100% renewable energy system in Austria. Study in Cooperation with the University Innsbruck, 2010

PUBLICATIONS

Schnitzer H.: Stoff- und Energiebilanzen (Material and Energy Balances), TU Graz University Library, 2009

Fresner J., Mair J., Schnitzer H., Brunner C., Gwehenberger G., Planasch M.: Practical experiences with reducing industrial use of water and chemicals in the galvanising industry; in: Huppel G., Ishikawa M. (editors): Quantifies Eco-Efficiency. Springer Dordrecht, 2007

Planasch M., Gwehenberger G., Schnitzer H., Brunner C.: From Cleaner Production to Zero Emissions in: W.L. Filho, A. Ubelis, D. Berzina (EDS.): Sustainable Development in the Baltic and Beyond.; Peter Lang Europäischer Verlag der Wissenschaften. Frankfurt/Main, 2006. ISBN 3-631-55282-3

Schnitzer H., Gwehenberger G., Zwatz C.: Zero Emissions Reserach in Austria. in: W.L. Filho, A. Ubelis, D. Berzina (EDS.): Sustainable Development in the Baltic and Beyond.; Peter Lang Europäischer Verlag der Wissenschaften. Frankfurt/Main, 2006. ISBN 3-631-55282-3

Schnitzer H.: Energy from renewable resources as a precondition for clean and sustainable production. in: Sustainable development and urbanisation: from knowledge to action, p91-100. Consejo Superior de Investigaciones Cientificas, Madrid, Spain, 2002, ISBN: 84-00-08035-1